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The Files (Contract RD-85, T.O. 2)

20 June 1956

RS-11A/B Status Report

1. [] as represented by Mr. []
[] Project Engineer for the RS-11A/B development work, was contacted by telephone on 18 June in a routine inquiry into design progress. The company was to have shipped the second RR-11B sample receiver during the past week. [] advised that they had just about completed the reworking of the dial drive mechanism and that the receiver, along with two RT-11B transmitters, would be shipped the latter part of this week. The improved design of the RR-11B receiver includes a new sprocket for the dial drive, which eliminates a clicking noise which was formerly evident on the initial equipment. The dial itself has black numbers on a white background with band identifying colors painted on the dial window. The RT-11B transmitter samples being sent down for testing now have traps to cover 50 to 70 megacycles for harmonic suppression, (TVI). Two RT-11A's were returned to the contractor on 19 June by air express for additional harmonic reduction circuitry.

2. The Operations and Training Division has recommended that noise limiters for the suppression of transients generated by domestic and industrial equipment and automobile ignition systems be incorporated in agent receiver design. The Laboratory has also recommended that a prism be installed over the dial window in order that frequency tuning might be accomplished without the need for squatting down to desk or table level to read the dial. It is believed that both of the above recommendations are certainly desirable and should be investigated. However, it is not planned to refer such changes to the contractor. [] contractual performance, while improving, continues as borderline satisfactory. The company lacks strength in depth and additional personnel losses are anticipated following a two-week vacation shutdown in July. We hope to terminate this contract without further contractual complications. Noise suppression circuitry is currently being investigated by the Laboratory, and it is believed that the installation of a prism presents no complicated design investigation.

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3. The Laboratory is currently evaluating the initial RR-11B receiver. The two RT-11B transmitters and the second RR-11B receiver being shipped by [] this week may represent acceptable prototype samples. The two RT-11A transmitters, when provided with additional TVI circuitry, may also represent final prototype samples. Should this be the case, the Operations and Training Division will be invited to discuss this equipment in detail prior to authorizing [] to proceed with the production of the ten pre-production prototype units (2 for the USAF).

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OC-E/R&D-EP/CEM:mmmb (20 June 1956)

cc: ~~R&D~~ Subject File
Monthly Report (2)
R&D Lab
OC-O&T
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